

REMARKS

No new matter is added by this amendment. The present application is a continuation application of U.S. Patent Application Serial No. 09/654,458 filed September 1, 2000. In a prior amendment claims 1-15 were cancelled and new claims 16-38 were added. In a second prior amendment, claims 16 and 33 were amended, claim 20 was cancelled, and new claim 39 was added. By this amendment, claims 16-19, 21-23, 25, 26, and 30 have been cancelled, and claims 24, 31, 32, and 34 have been amended. Claims 16, 27-29 stand withdrawn but are ultimately dependent upon an allowable base claim. The claims remaining in consideration are claims 24, 27-29, 31-36, and 39. Reconsideration is respectfully requested.

In the Advisory Action dated August 16, 2006, the Examiner confirmed applicant's assumption that he previously intended to indicate that claim 30 contained allowable subject matter and that dependent claim 30 would be allowed if presented in independent form.

This is noted with appreciated.

Independent claim 24 has been amended to include the limitations of dependent claim 30 and any intervening claims. The remaining claims 31, 32, 33, 34, 35, 36 and 39, as well as withdrawn claims 27-28 are ultimately dependent upon allowable claim 24. Therefore, applicants respectfully assert that claims 27-28, 31-36 and 39 are also allowable.

The Examiner objected to previously submitted proposed Figures 4 and 5 for containing new matter. This objection is respectfully traversed. While applicants respectfully assert that the specification, including the claims (as originally filed), fully

support previously proposed Figures 4 and 5, applicants submit revised proposed Figures 4 and 5, simply in order to advance the present application to issue.

New Figure 4 shows a nozzle body 10 which includes a coating 14a of higher thermal conductivity as in Figure 3. The portion of the nozzle body 10 which is uncoated in Figure 3 is coated with a material 14b which has a lower thermal conductivity than the thermal conductivity of the nozzle body 10. This is fully taught in the paragraph beginning on page 9, line 8 which has been amended (above) to reference new Figure 4.

New Figure 5 shows a nozzle body 10 which has a first coating 14'a similar to the coating shown in Figure 1 or 3. The first coating 14a has a lower thermal conductivity than the thermal conductivity of nozzle body 10. A further coating 14d is applied to the first coating 14'a. The further coating 14d has a higher thermal conductivity than the thermal conductivity of the nozzle body. This is fully taught and supported by the paragraph beginning on Page 9, line 22 which has been amended to include references to new Figure 5.

The proposed drawings were objected to because they included reference numbers not mentioned in the description. The specification has been amended to include the missing reference numbers. Therefore, applicants respectfully request that the second drawing objection be withdrawn.

The drawings were objected to because they do not include the multi-layer structure recited in claim 24 or the additional substrate of material recited in claim 36. Applicants believe that they have overcome the Examiner's objections with respect to the revised proposed new Figures 4 and 5. New Figures 4 and 5 clearly show these element and structure and are fully supported by the disclosure (including the claims). Therefore, applicants respectfully request that the object to the drawings be withdrawn.

A previous draft of the proposed drawing corrections were faxed to Examiner Kim on September 1, 2006 and an Examiner Interview was held on September 13, 2006. Examiner Kim expressed concerns that the proposed drawing corrections of September 1, 2006 were not supported by the specification. The newly proposed drawings are aimed specifically at the Examiner's concerns and exactly mirror the language in the specification.

With regard to Figure 4, the Examiner expressed concern that the bonding layer 14^c was not between the nozzle and layer 14^b. In newly proposed Figure 4, the bonding layer 14^c, is between the nozzle and both layers 14^a and 14^b. This is fully supported by the specification. Specifically, in the paragraph beginning on page 10, line 15, which reads in part (as amended above to include reference numbers): "an additional substrate material 14^e may be applied to the nozzle body 10 to which a coating 14, 14^a, 14^b is to be applied to ensure satisfactory bonding of the coating(s) to the nozzle body".

With regard to Figure 5, the Examiner expressed concern that the further coating 14^d was not along the entire outer surface of the first coating 14^a. In the newly proposed Figure 5, the further coating 14^d is shown along the entire outer surface of the first coating 14^a. This is fully supported by the specification, specifically, in the paragraph beginning on page 9, line 22, which reads in part "a further coating 14^d having a higher thermal conductivity than the thermal conductivity of the nozzle body 10 is applied to the first coating 14^a".

All of the Examiner's objections and rejection having been successfully overcome or made moot, applicants respectfully assert that the present application is now in condition for allowance. An early notice of allowance is solicited.

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Applicant believes that no fees are due, however, if any become required, the Commissioner is hereby authorized to charge any additional fees or credit any overpayments to Deposit Account 08-2789 in the name of Howard & Howard Attorneys.

Respectfully submitted,

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